

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

Claims 1-14 (Canceled).

15. (New) A radio communication apparatus that performs asymmetrical communication, the apparatus comprising:

a desired signal power measurer that measures individual desired signal reception powers of a plurality of slots;

an averager that calculates an average value of the individual desired signal reception powers of the plurality of slots;

an interference signal power measurer that measures individual interference signal reception powers of the plurality of slots;

an SIR measurer that measures individual reception qualities of the plurality of slots, in each slot a reception quality being measured based on the average value of the individual desired signal reception powers and one of the individual interference signal powers corresponding to said each slot;

a power control information generator that generates individual transmission power control information corresponding

respectively to the plurality of slots, based on the individual reception qualities of said plurality of slots; and

a transmitter that transmits the individual transmission power control information corresponding respectively to the plurality of slots, in a single slot.

16. (New) A radio communication apparatus that performs asymmetrical communication with the radio communication apparatus of claim 15, said radio communication apparatus comprising:

an isolator that isolates, from a received signal, the individual transmission power control information corresponding respectively to the plurality of slots;

a transmission power controller that controls individual transmission powers of the plurality of slots based on the individual transmission power control information corresponding respectively to said plurality of slots; and

an amplifier that amplifies transmitting data in accordance with the control of the transmission power controller.

17. (New) A radio communication apparatus that performs asymmetrical communication, the apparatus comprising:

a desired signal power measurer that measures individual desired signal reception powers of a plurality of slots;

an averager that calculates an average value of the individual desired signal reception powers of the plurality of slots;

an interference signal power measurer that measures individual interference signal reception powers of the plurality of slots;

an SIR measurer that measures individual reception qualities of the plurality of slots, in each slot a reception quality being measured based on the average value of the individual desired signal reception powers and one of the individual interference signal powers corresponding to said each slot;

a reference power calculator that calculates individual reference transmission powers of the plurality of slots based on an overall reception quality of the plurality of slots and the individual reception qualities of said plurality of slots; and

a transmitter that transmits individual reference transmission power control information corresponding respectively to the plurality of slots, in a single slot.

18. (New) The radio communication apparatus according to claim 17, wherein the reference power calculator calculates a reference transmission power of a slot by adding the overall reception quality of the plurality of slots and one of the

individual reception qualities of the plurality of slots corresponding to said slot.

19. (New) The radio communication apparatus of claim 17, wherein the reference power calculator calculates the overall reception quality of the plurality of slots based on individual CRC check results of said plurality of slots.

20. (New) A radio communication apparatus that performs asymmetrical communication with the radio communication apparatus of claim 17, said radio communication apparatus comprising:

an isolator that isolates, from a received signal, the individual reference transmission power information corresponding respectively to the plurality of slots;

a transmission power controller that controls individual transmission powers of the plurality of slots based on the individual reference transmission power information corresponding respectively to said plurality of slots; and

an amplifier that amplifies transmitting data in accordance with the control of the transmission power controller.

21. (New) A base station apparatus that performs asymmetrical communication, the apparatus comprising:

a desired signal power measurer that measures individual desired signal reception powers of a plurality of slots;

an averager that calculates an average value of said individual desired signal reception powers of the plurality of slots;

an interference signal power measurer that measures individual interference signal reception powers of the plurality of slots;

an SIR measurer that measures individual reception qualities of the plurality of slots, in each slot a reception quality being measured based on the average value of the individual desired signal reception powers and one of the individual interference signal powers corresponding to said each slot;

a power control information generator that generates individual transmission power control information corresponding respectively to the plurality of slots, based on the individual reception qualities of said plurality of slots; and

a transmitter that transmits the individual transmission power control information corresponding respectively to the plurality of slots, in a single slot.

22. (New) A communication terminal apparatus that performs asymmetrical communication, the apparatus comprising:

a desired signal power measurer that measures individual desired signal reception powers of a plurality of slots;

an averager that calculates an average value of said individual desired signal reception powers of the plurality of slots;

an interference signal power measurer that measures individual interference signal reception powers of the plurality of slots;

an SIR measurer that measures individual reception qualities of the plurality of slots, in each slot a reception quality being measured based on the average value of the individual desired signal reception powers and one of the individual interference signal powers corresponding to said each slot;

a reference power calculator that calculates individual reference transmission powers of the plurality of slots based on an overall reception quality of the plurality of slots and the individual reception qualities of said plurality of slots; and

a transmitter that transmits individual reference transmission power control information corresponding respectively to the plurality of slots, in a single slot.

23. (New) A transmission power control method in a plurality of radio communication apparatuses that perform asymmetrical communication, said method comprising:

in one of the plurality of communication apparatuses:

measuring individual desired signal reception powers of a plurality of slots;

calculating an average value of the individual desired signal reception powers of the plurality of slots;

measuring individual interference signal reception powers of the plurality of slots;

generating individual transmission power control information corresponding respectively to the plurality of slots, for each slot the individual transmission power control information being generated based on the average value of the individual desired signal reception powers and one of the individual interference signal powers corresponding to said each slot; and

transmitting the individual transmission power control information corresponding respectively to the plurality of slots, in a single slot, and

in another one of the plurality of radio communication apparatuses:

isolating, from a received signal, the individual transmission power control information corresponding respectively to the plurality of slots; and

amplifying individual transmission powers of a plurality of transmitting slots based on the individual transmission power control information corresponding respectively to the plurality of slots.

24. (New) A transmission power control method in a plurality of radio communication apparatuses that perform asymmetrical communication, said method comprising:

in one of the plurality of radio communication apparatuses:  
measuring an overall reception quality of a plurality of slots;

measuring individual reception qualities of the plurality of slots;

calculating individual reference transmission powers of the plurality of slots based on the overall reception quality of the plurality of slots and the individual reception qualities of said plurality of slots; and

transmitting individual reference transmission power information corresponding respectively to the plurality of slots, in a single slot, and



in another one of the plurality of radio communication apparatuses:

isolating, from a received signal, the individual reference transmission power information corresponding respectively to the plurality of slots; and

amplifying individual transmission powers of a plurality of transmitting slots based on the individual reference transmission power information corresponding respectively to the plurality of slots.